

What is claimed is:

1. A seed-specific expression promoter comprising an active fragment of nucleotides -179 to -53 of SEQ ID NO: 3.
- 5 2. The seed-specific expression promoter of claim 1, which comprises the nucleotide sequence as set forth in SEQ ID NO: 3.
3. An intron for enhancement of gene expression comprising nucleotides 149 to 1722 of SEQ ID NO: 1.
- 10 4. A seed-specific expression vector comprising the promoter of claim 1 and/or the intron of claim 3.
5. The seed-specific expression vector of claim 4, which is
15 constructed by inserting the promoter upstream of a foreign gene of a binary vector.
6. The seed-specific expression vector of claim 5, which is a pBinSi/FAD2-GUS expression vector as shown in FIG. 4B.
- 20 7. The seed-specific expression vector of claim 5, which is a pSiW6-P2.4 expression vector as shown in FIG. 9A.
8. The seed-specific expression vector of claim 4, which is
25 constructed by inserting the promoter upstream of a foreign gene of a transient expression vector.
9. The seed-specific expression vector of claim 8, which is a pSiFAD2-GUS expression vector as shown in FIG. 8A.
- 30 10. A transgenic plant transformed with the seed-specific expression vector of any one of claims 4 through 9.

11. A method for expressing a foreign gene in a transgenic plant transformed with the seed-specific expression vector of any one of claims 4 through 9.

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